Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/22/2022 09:11 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124754	-1	1.28	124652	1.24
Blue	F	SSC	125000	123336	-2	2.55	123822	2.41
Blue	E	FITC	13602	13297	-3	2.22	372	13.69
Blue	D	PE	24891	24650	-1	1.63	585	10.87
Blue	B	PerCP-Cy5-5	33972	33057	-3	2.89	942	14.40
Blue	A	PE-Cy7	22865	22748	-1	4.83	476	30.28
Red	C	APC	47198	46422	-2	2.51	1603	11.32
Red	A	APC-Cy7	26454	25658	-4	2.99	727	12.11
Violet	B	V450	6737	6442	-5	3.23	449	11.22
Violet	A	V500	29317	28273	-4	2.86	968	8.05

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24089	2.37	536	1	N/A	N/A	Pass
Blue	F	SSC	55521	2.02	517	-4	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	2	0.0399	47	Pass
Blue	D	PE	114	38.92	489	3	0.3357	245	Pass
Blue	B	PerCP-Cy5-5	148	41.34	581	2	0.0218	117	Pass
Blue	A	PE-Cy7	80	79.42	625	4	0.0226	4	Pass
Red	C	APC	336	25.60	571	-1	0.0290	196	Pass
Red	A	APC-Cy7	135	34.42	549	-2	0.0066	1372	Pass
Violet	B	V450	77	45.47	448	-2	0.0554	2057	Pass
Violet	A	V500	114	29.38	468	-1	0.0264	677	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.13	-31.68	1.03
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.82	13.90 - 20.86	N/A	N/A	29.98	30.30	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11807

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments